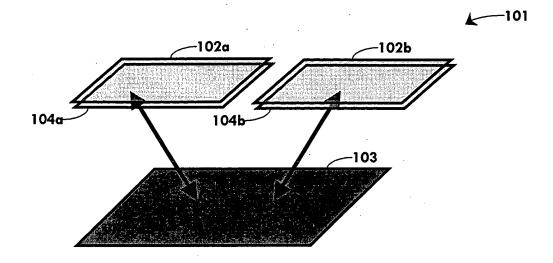
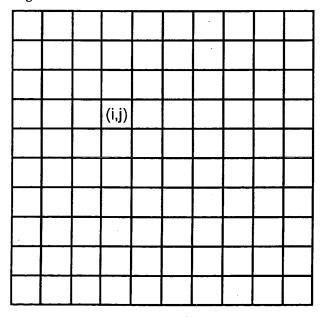
Figures

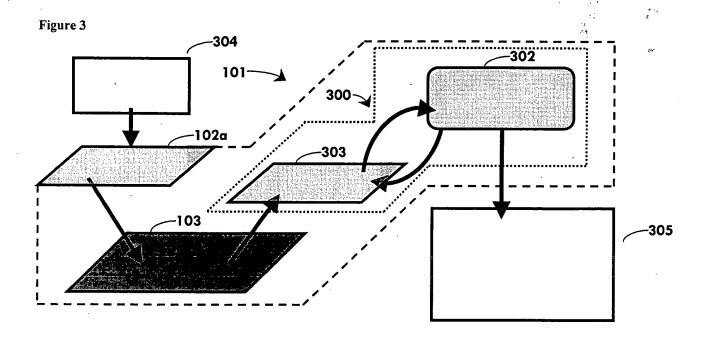
Figure 1

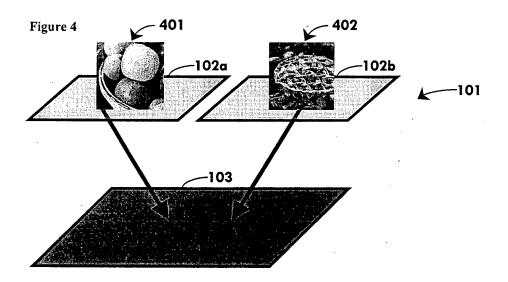


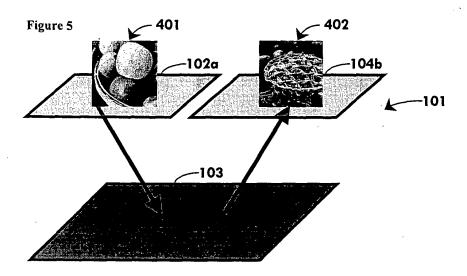


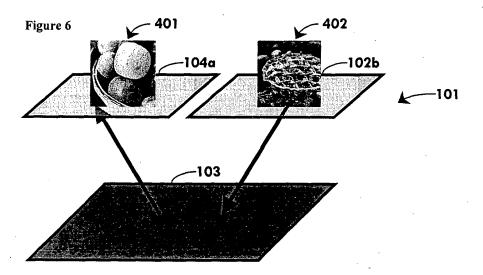


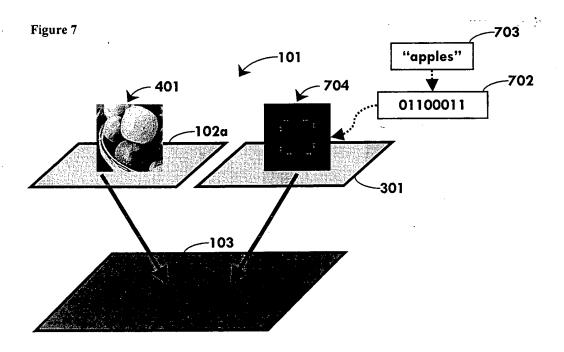
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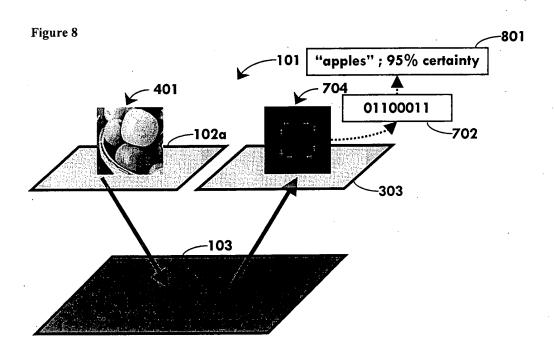
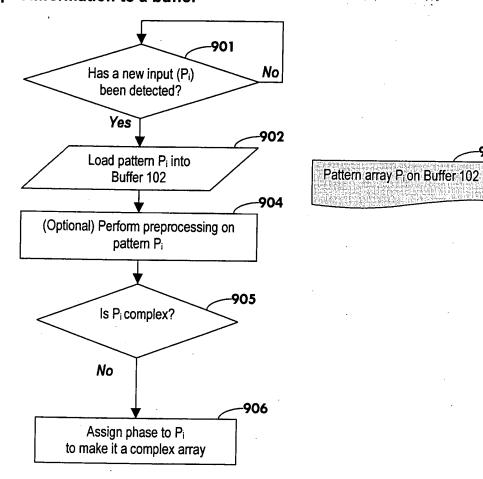


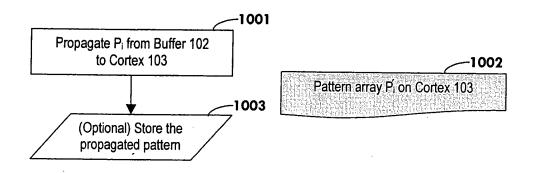
Figure 9
Input information to a buffer

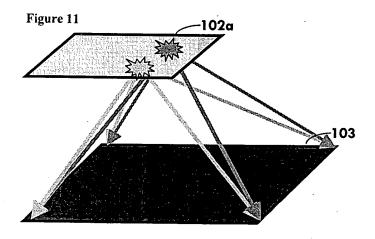


903

Figure 10

Transport information from buffer to cortex or cortex to buffer





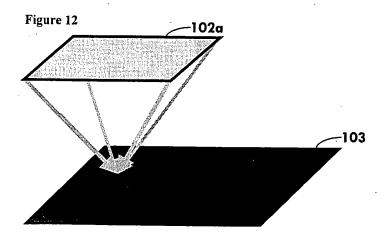


Figure 13

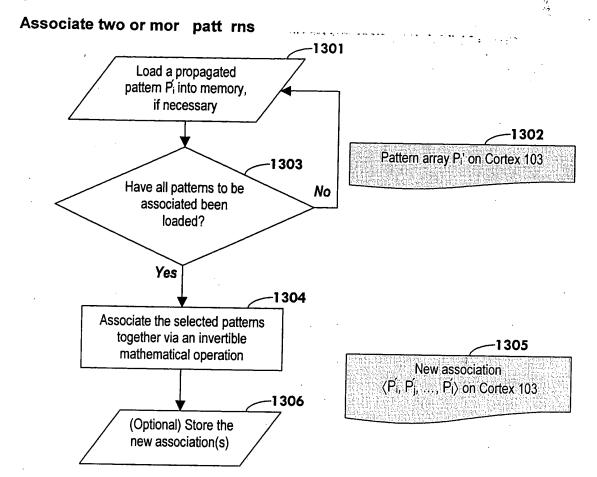


Figure 14

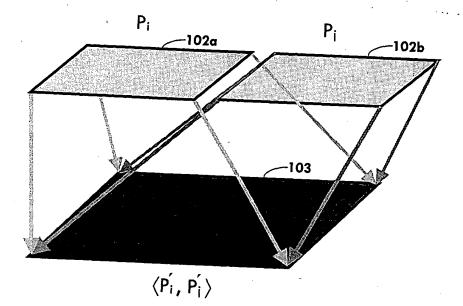


Figure 15

Superpose two or mor associations

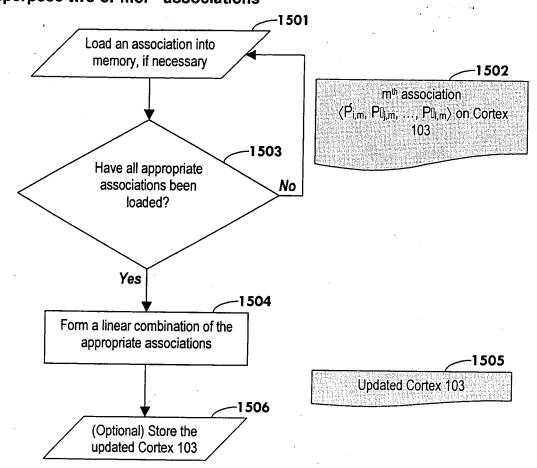


Figure 16



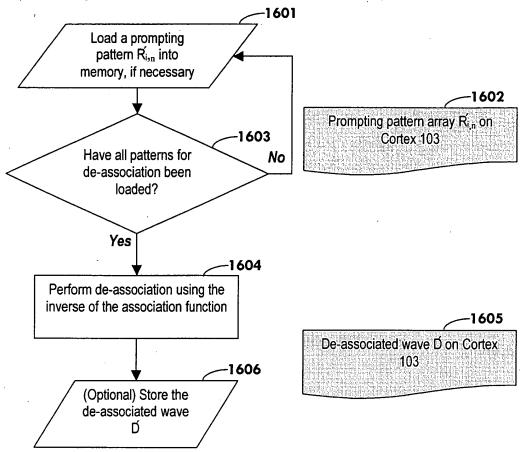


Figure 17

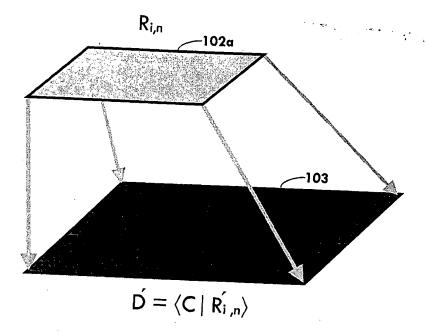


Figure 18

Export buffer information

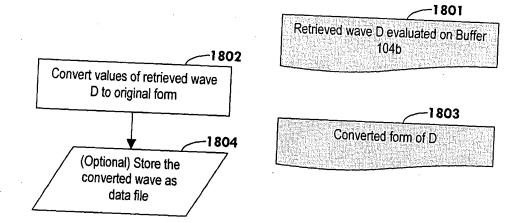


Figure 19

Generate an internal identification pattern (IIP)

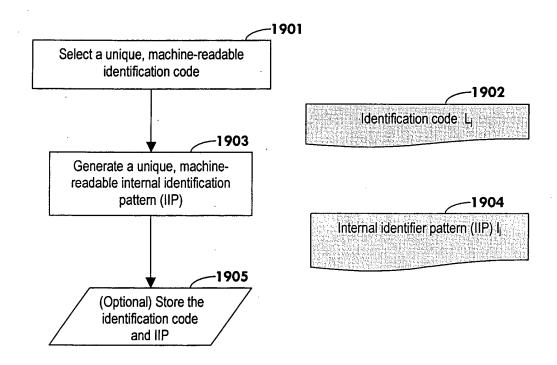


Figure 20

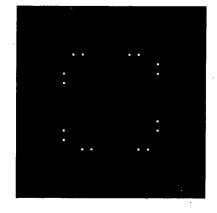


Figure 21

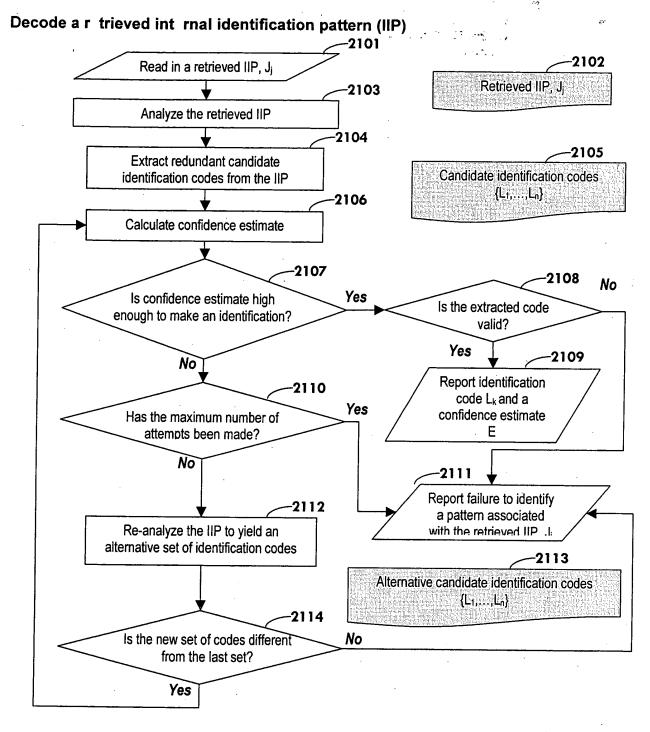


Figure 22

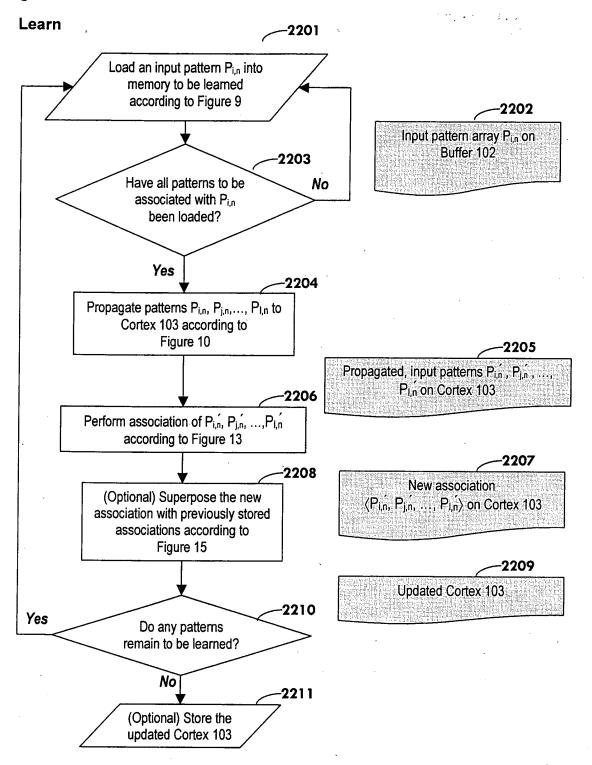


Figure 23

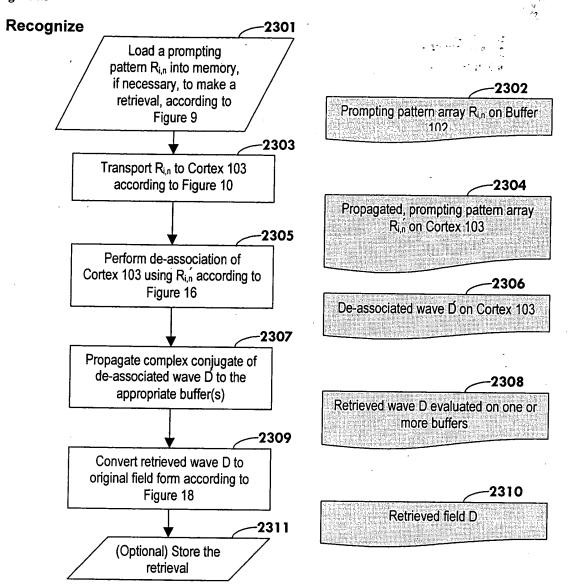


Figure 24

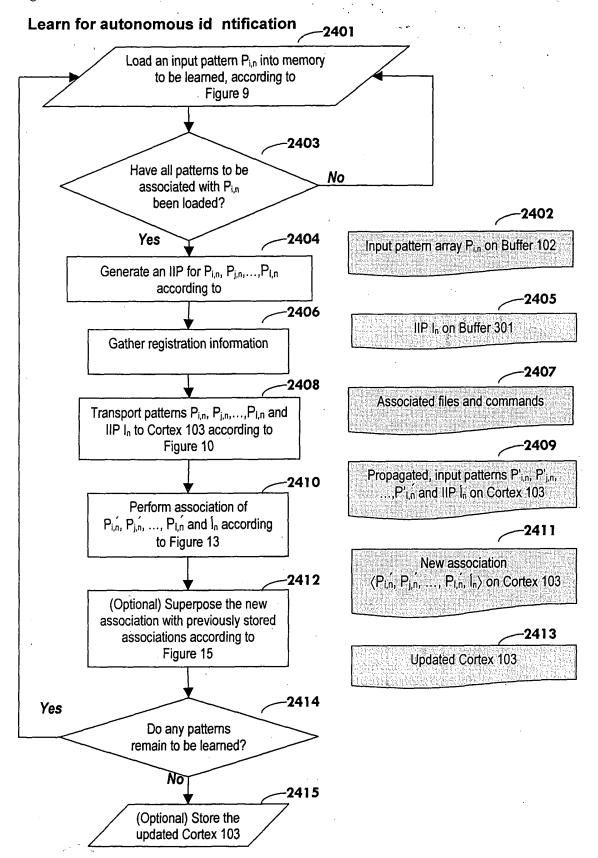
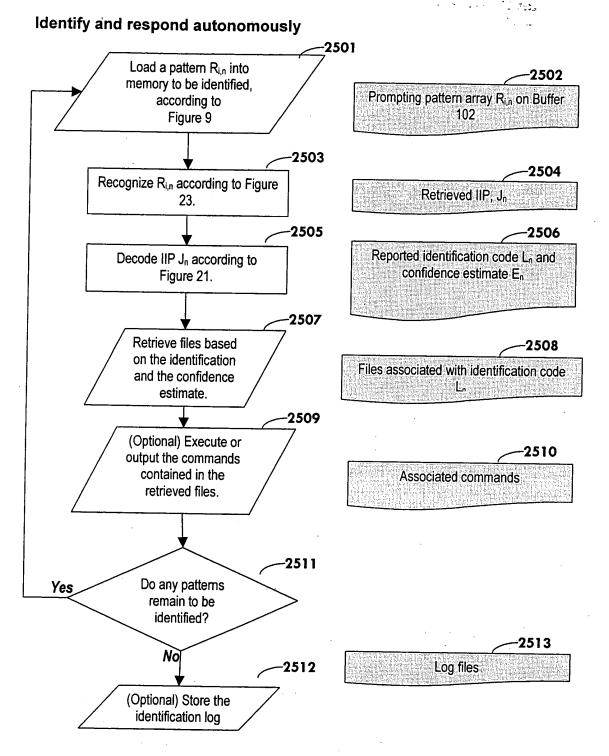


Figure 25



Adaptively improv identification performance through xperi nce

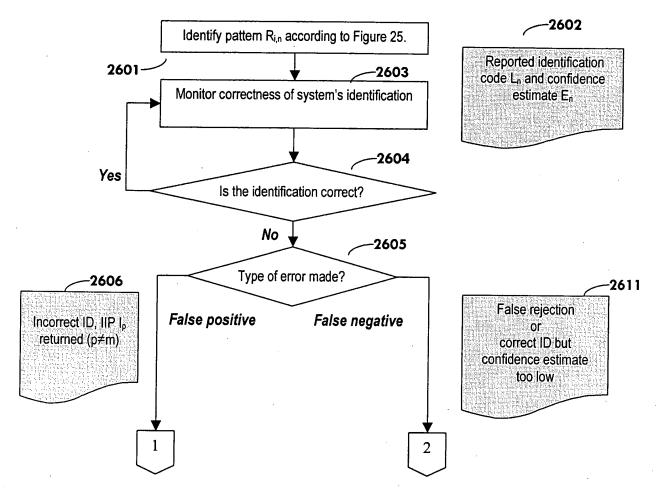
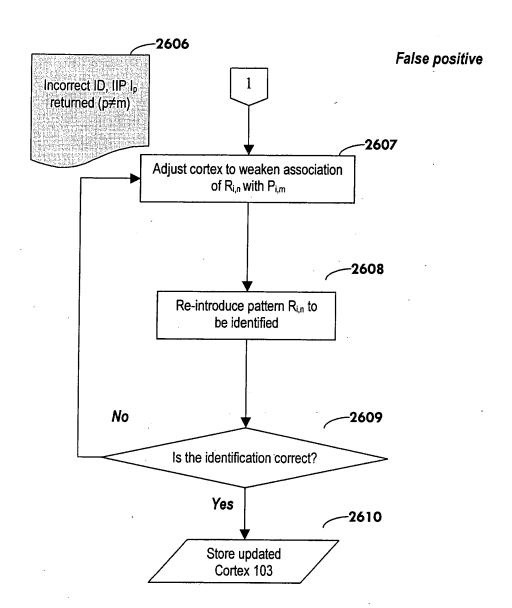


Figure 26 (cont.)

Adaptively improve identification performance through experi no , continued



Adaptively improve identification performance through experience, continued

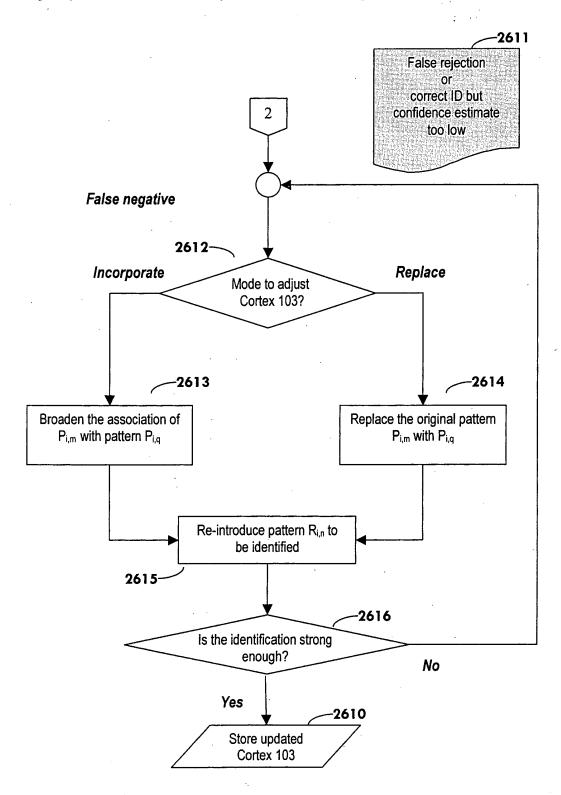
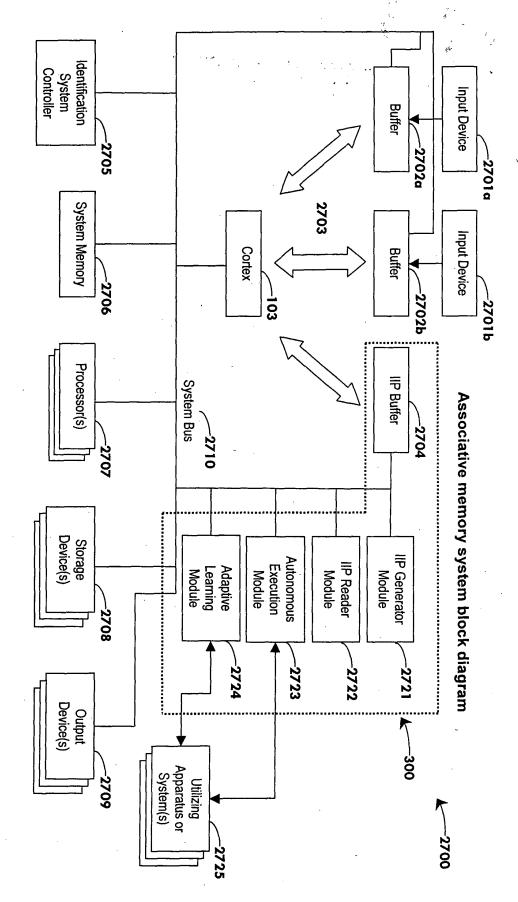
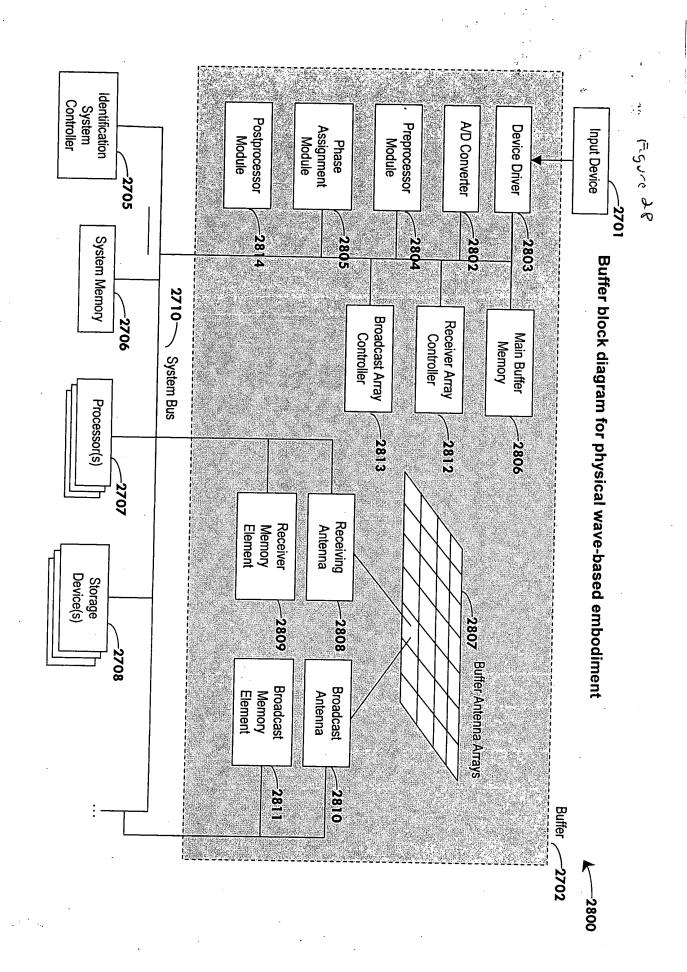
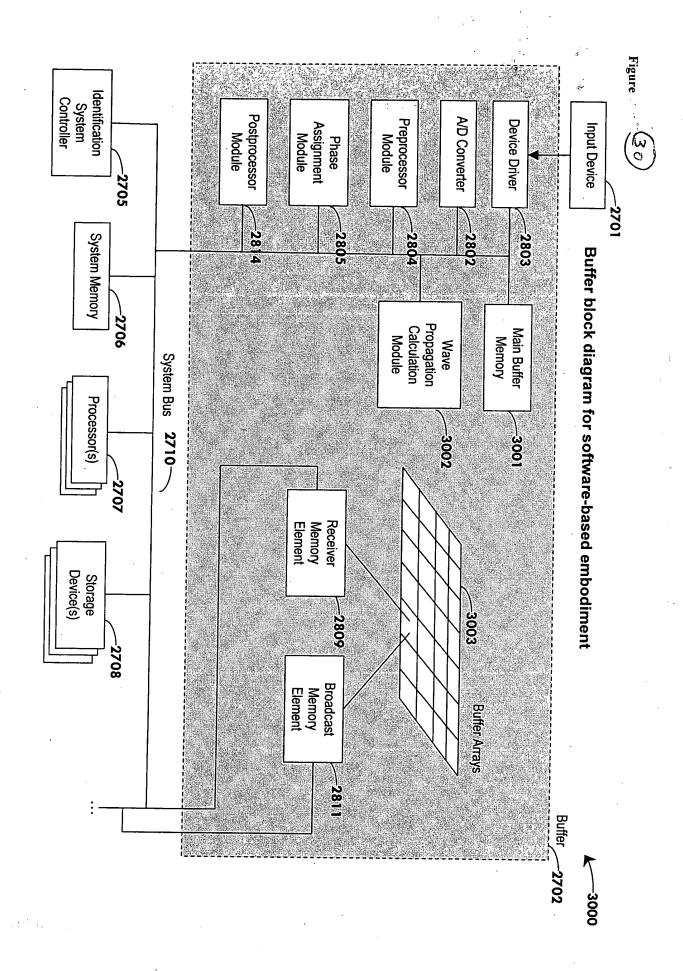


Figure 27

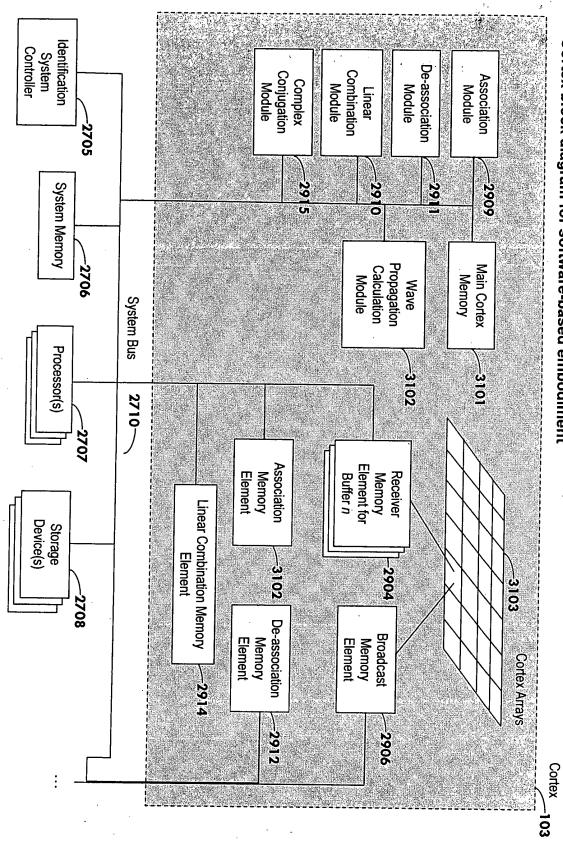


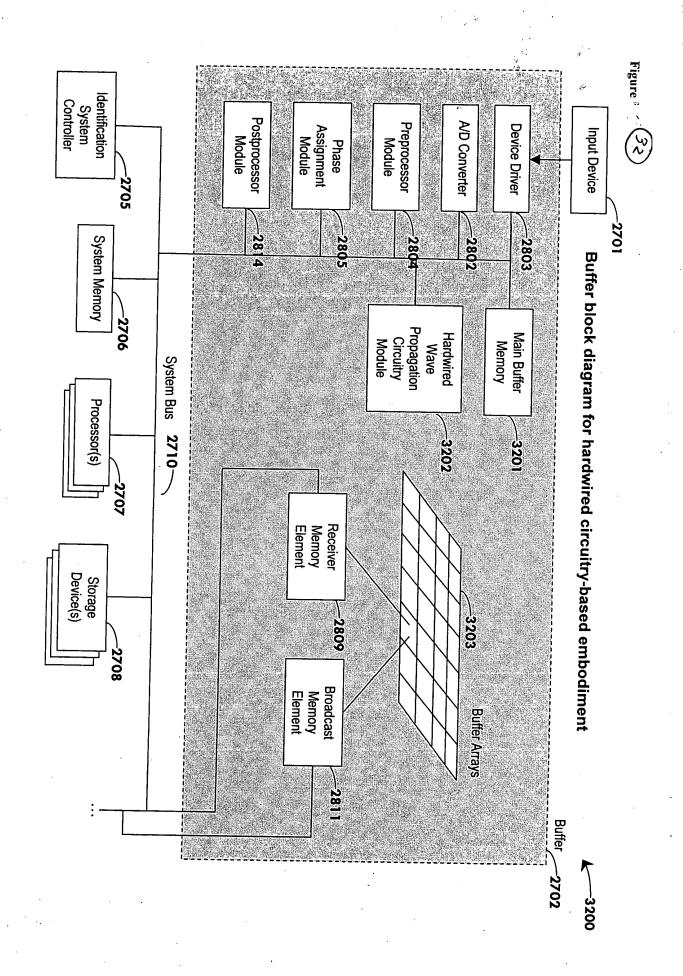


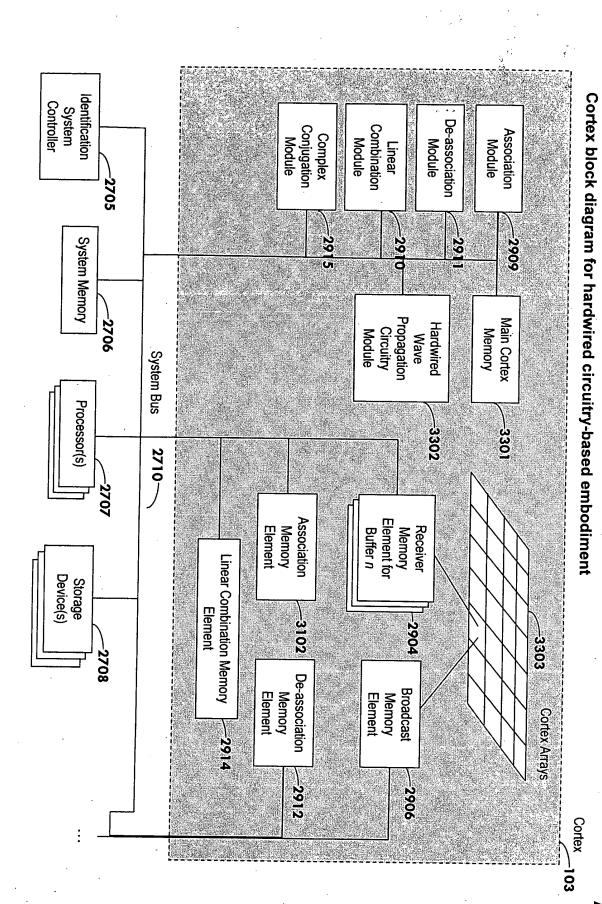




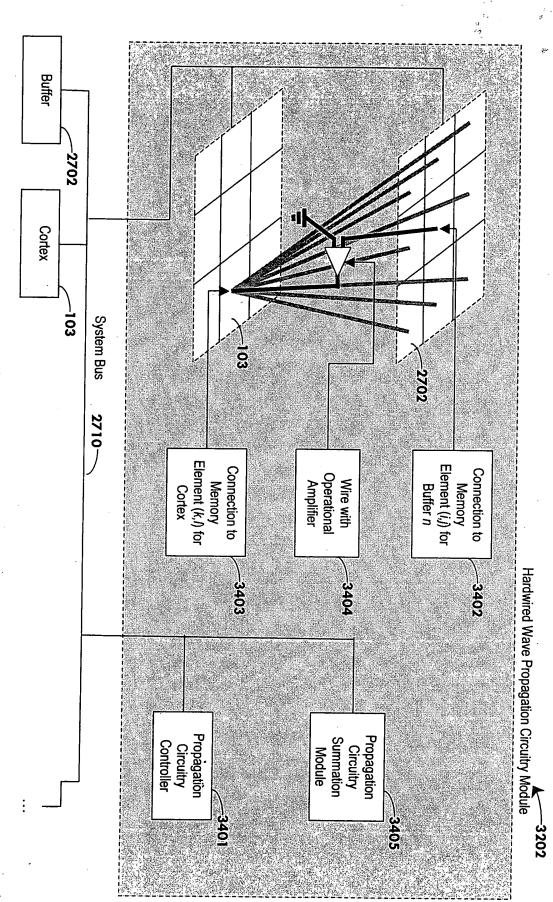
Cortex block diagram for software-based embodiment







Wave propagation circuitry block diagram for hardwired circuitry-based embodiment



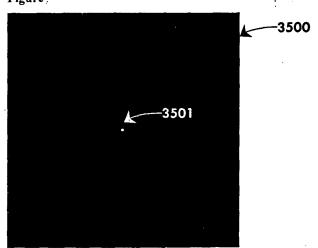


Figure 36

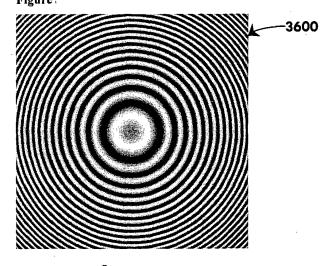
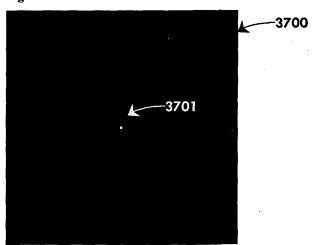


Figure + -37



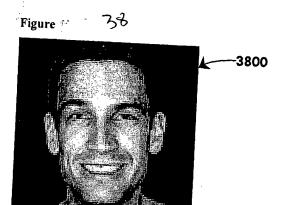


Figure 4 39

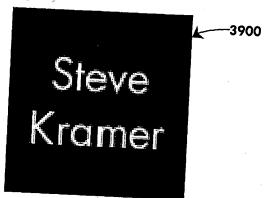
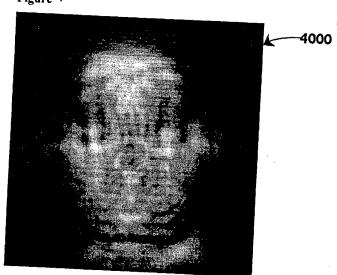


Figure # **





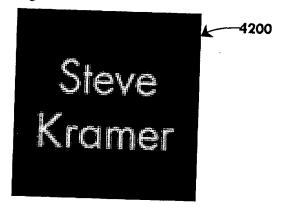
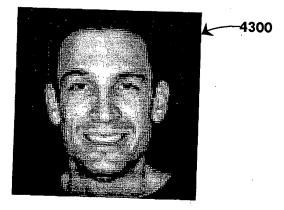


Figure 43



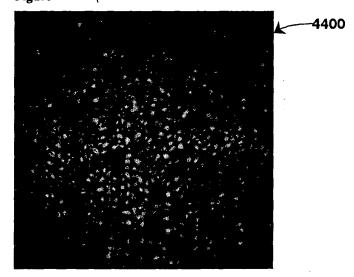


Figure 6 49

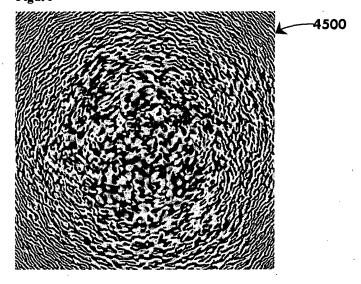
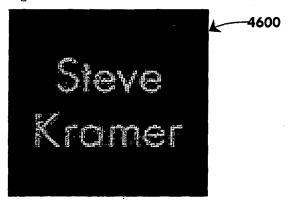


Figure · 46



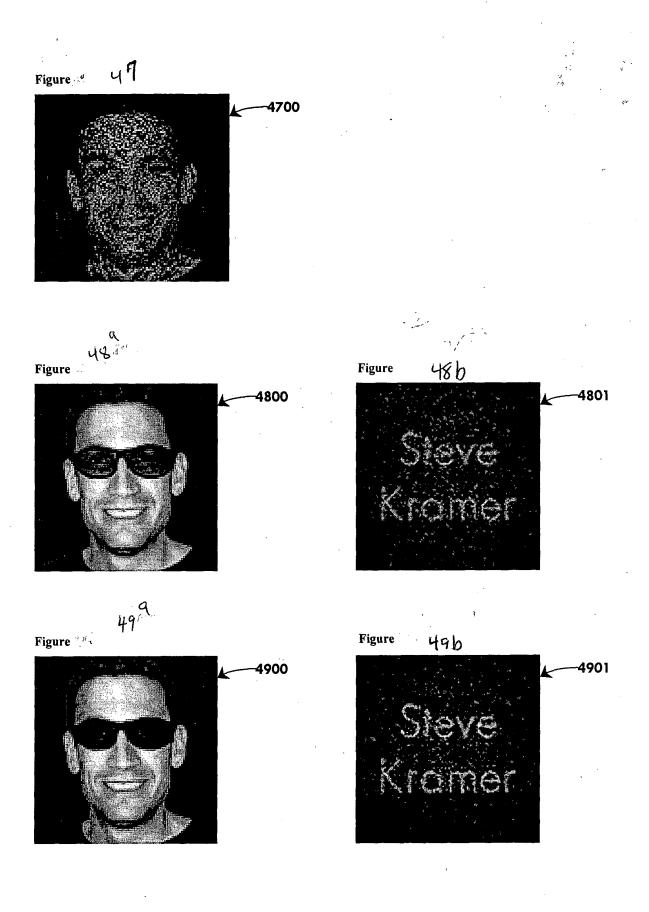
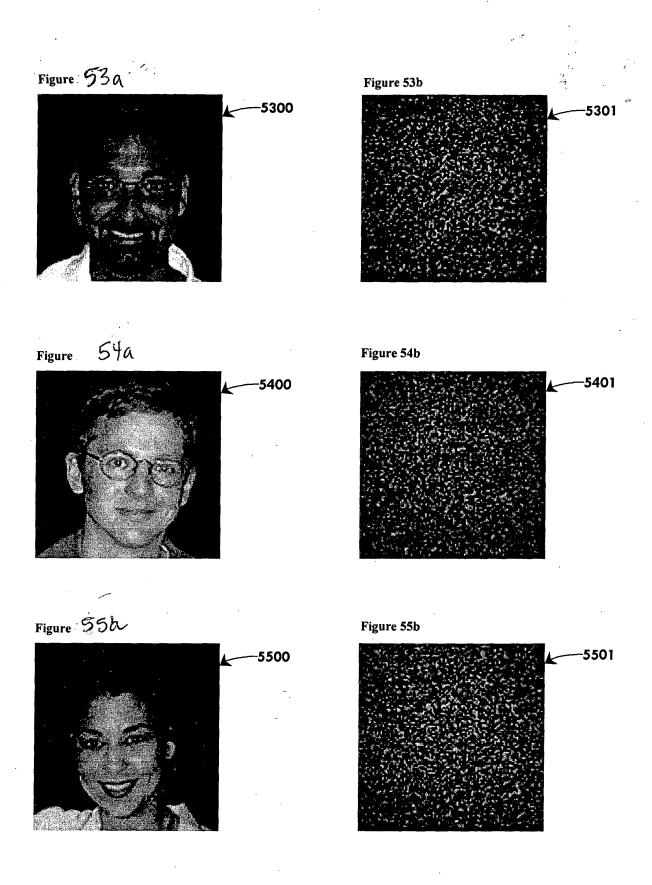


Figure 500 Figure 50b 5000 Figure 510 Figure 51b -5100 5101 Figure 529 Figure 52b -5200



Figure

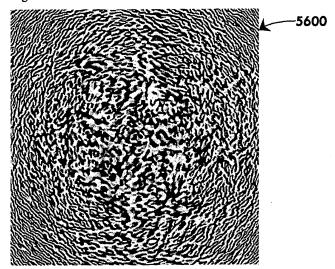
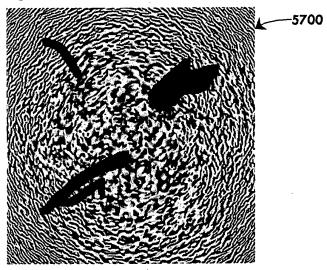


Figure 5



Figure

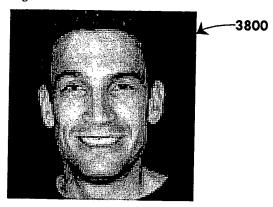
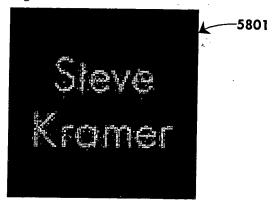


Figure 58b



69a

Figure

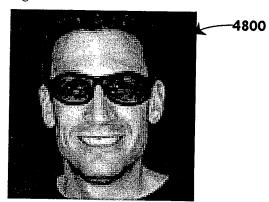
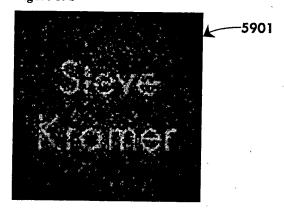
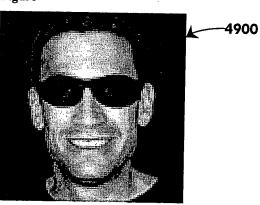


Figure 59b

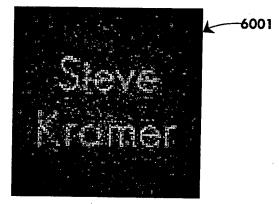


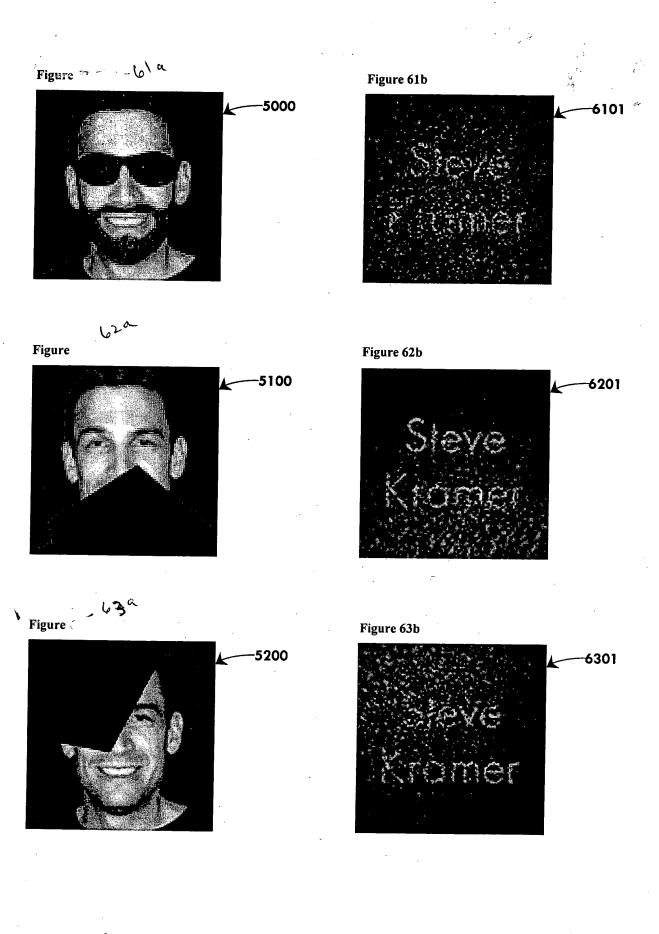
Figure



(0 a

Figure 60b





65°

Figure

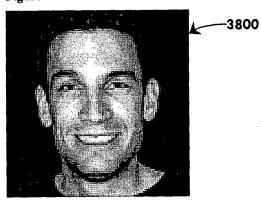


Figure 65b

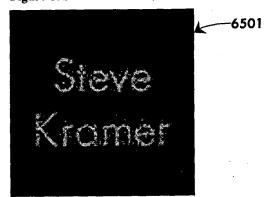


Figure in

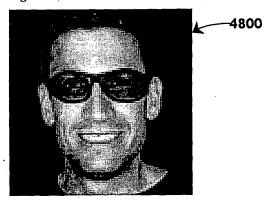
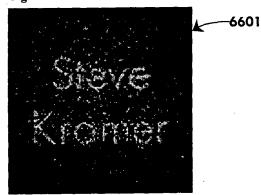


Figure 66b



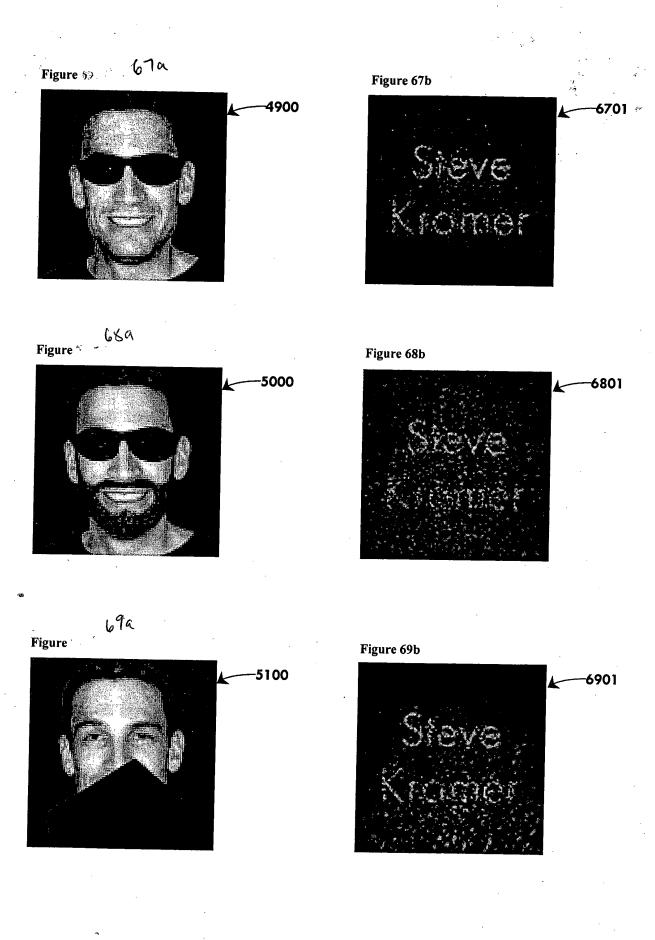
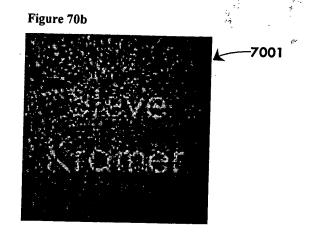
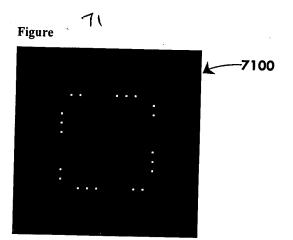
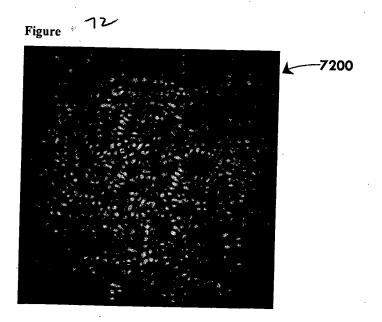
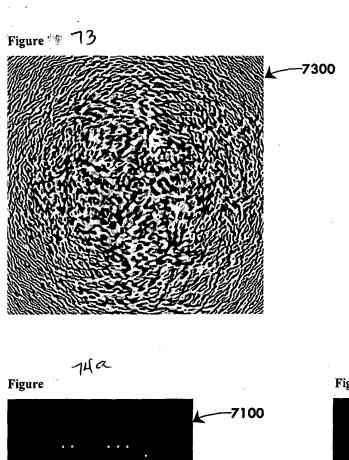


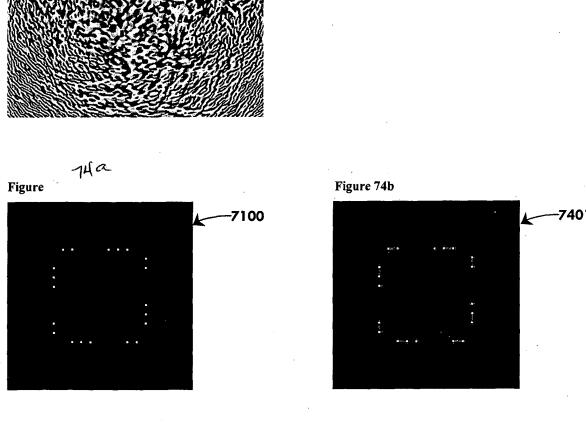
Figure 70 a 5200

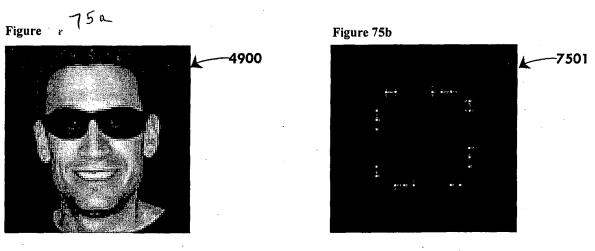


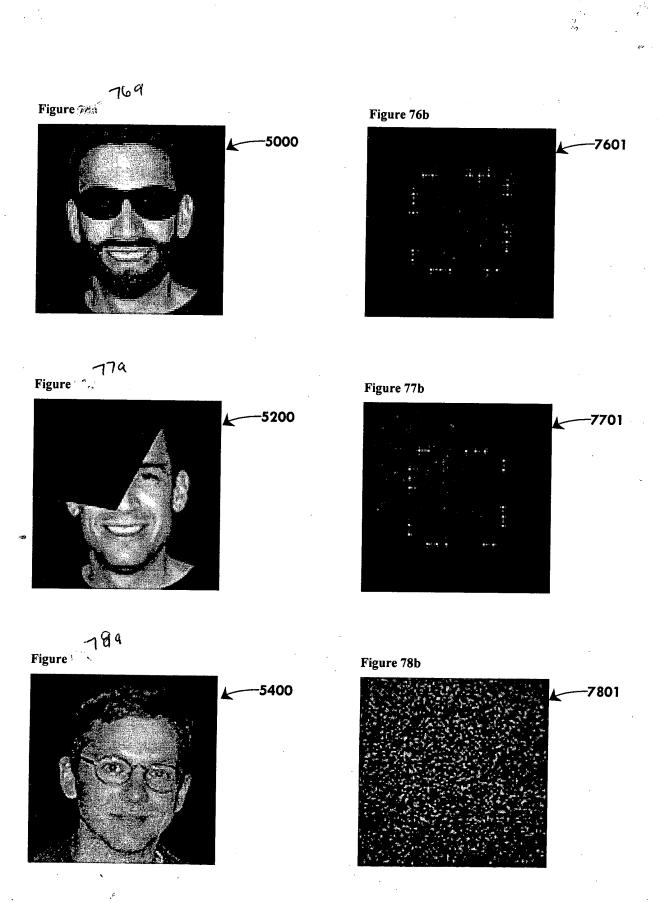




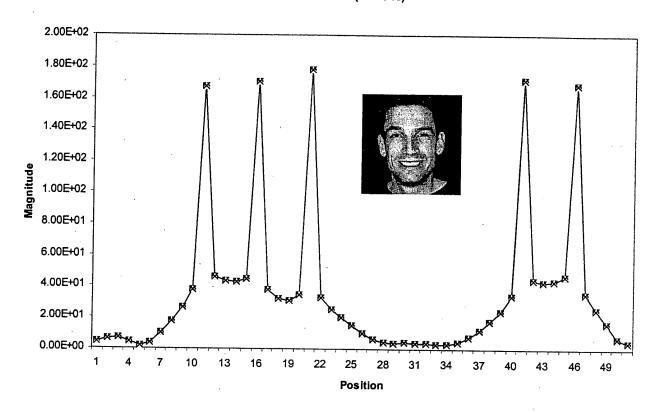




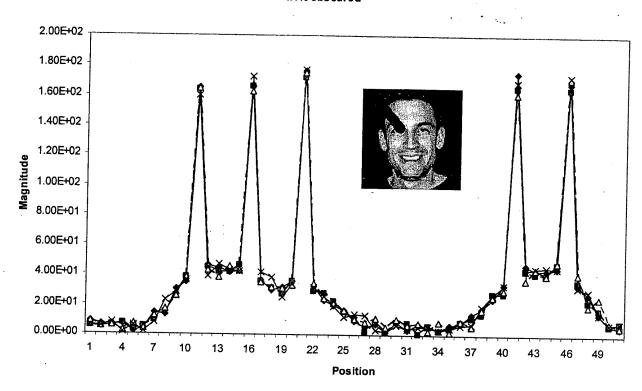




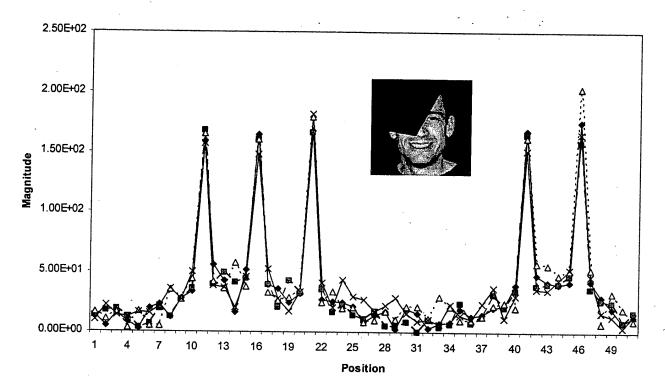
IIP Reconstruction (Steve K.)



IIP Reconstructi n (Stev K. 1) 4.1% obscured



IIP Reconstruction (Stev K. 7) 33.4% bscured



IIP Reconstruction as a Function of Degree of Obscurity

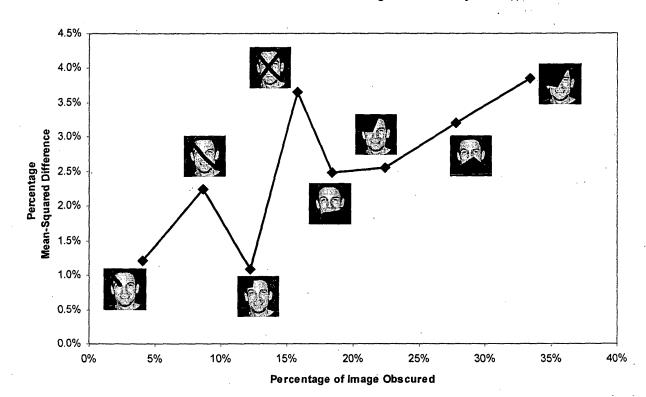


Figure : -3800

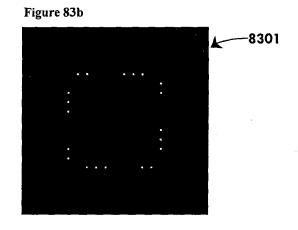
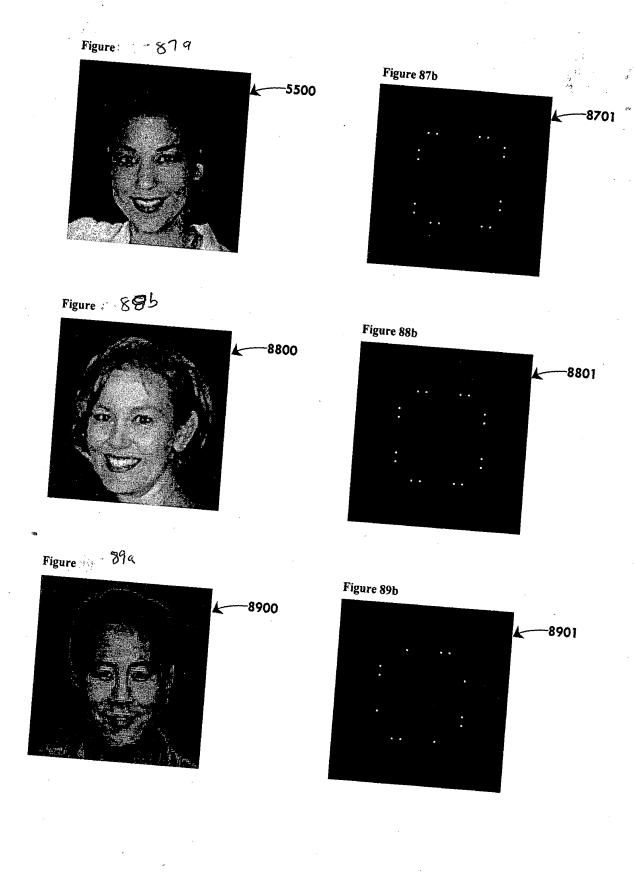
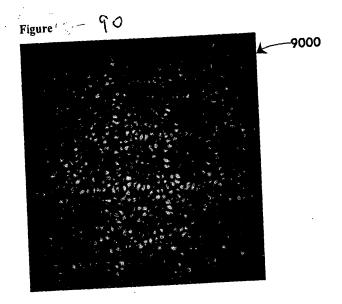
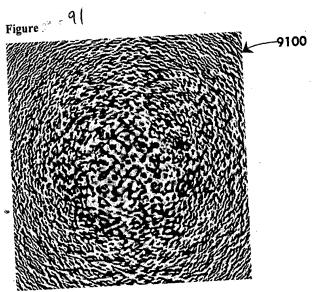
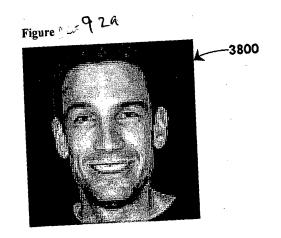


Figure & CYA Figure 84b -5300 Figure Mt. 85a Figure 85b Figure (1) Figure 86b 5400









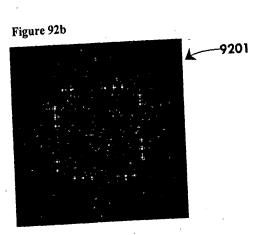
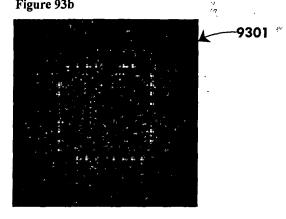
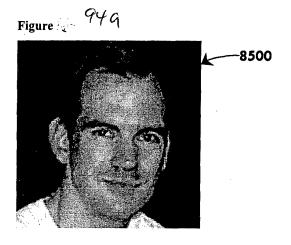
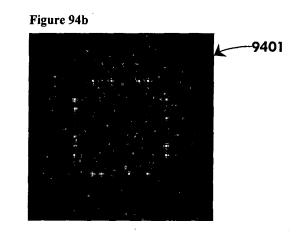
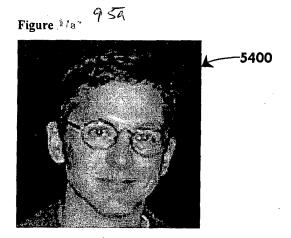


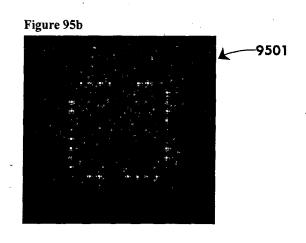
Figure 93b











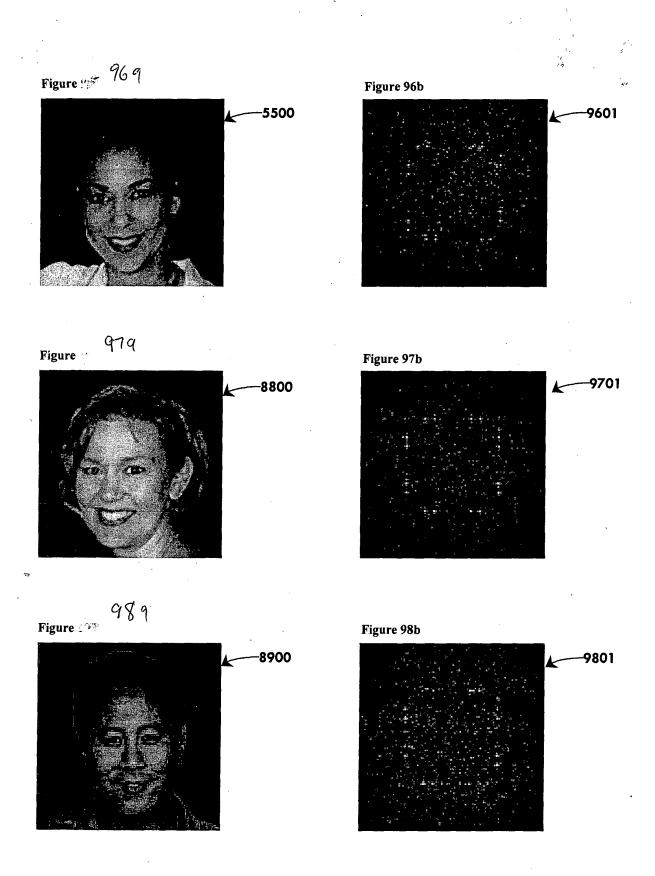
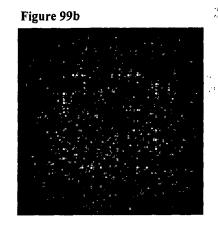
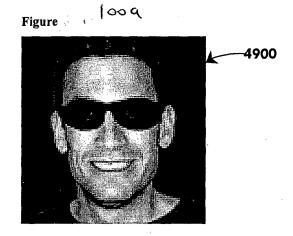
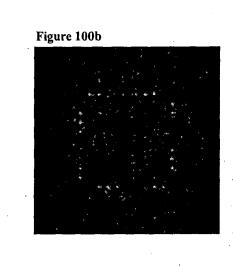
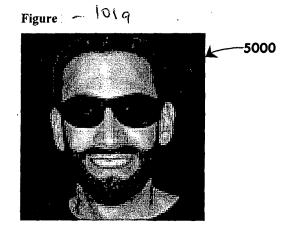


Figure 999
4800









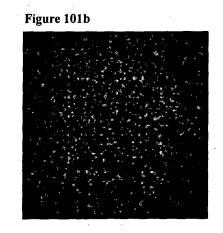
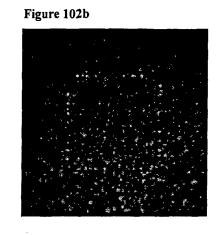
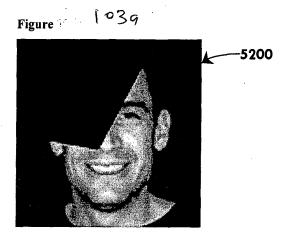
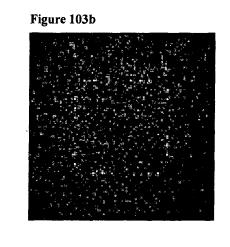
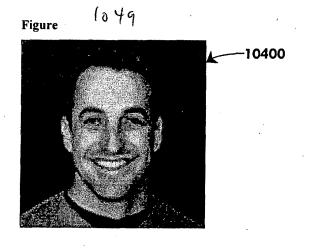


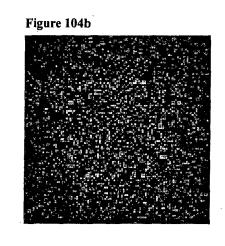
Figure : 1029

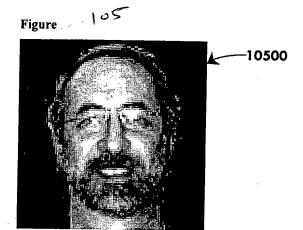


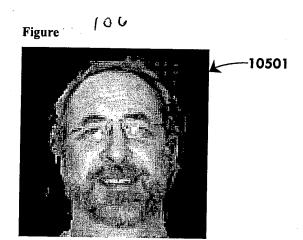












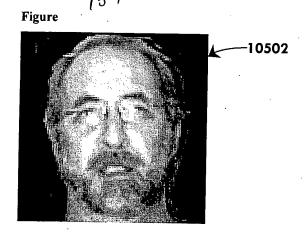


Figure 1407 108

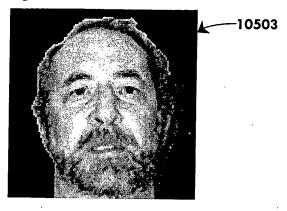
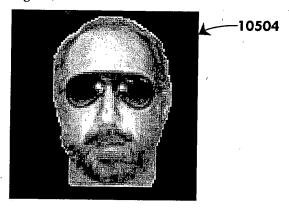


Figure 109



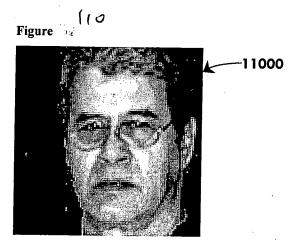
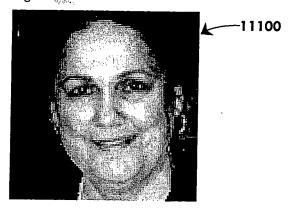
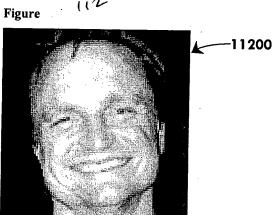


Figure (((





Figure

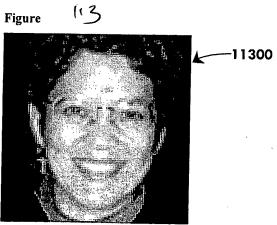
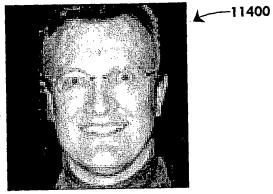


Figure : 114





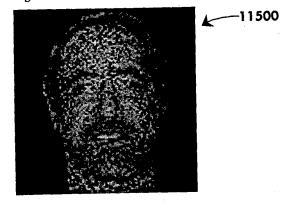
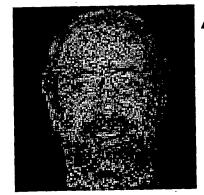
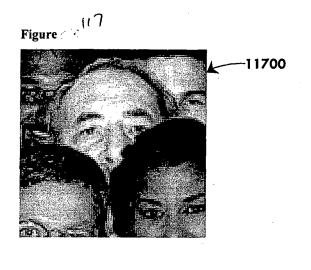
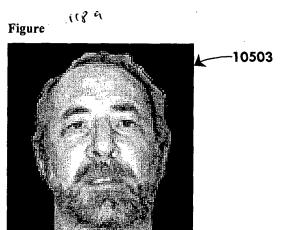
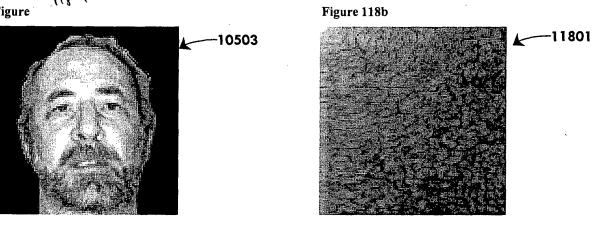


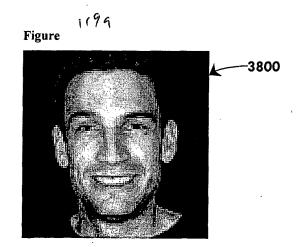
Figure 114

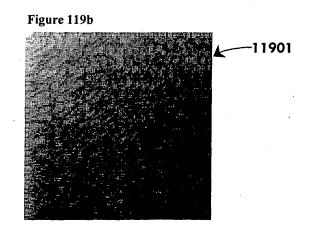


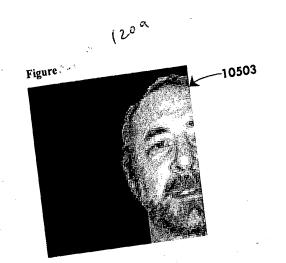


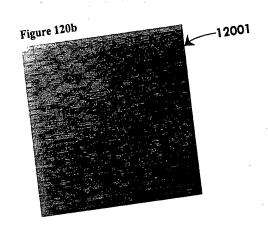


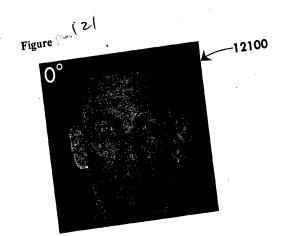












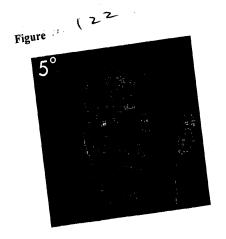
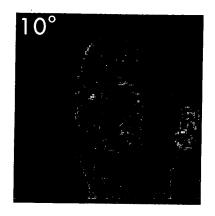
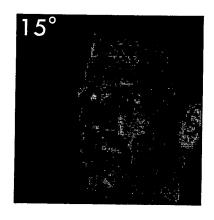


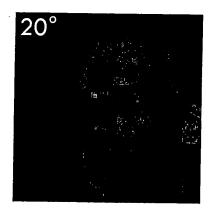
Figure (23

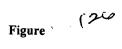


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Figure







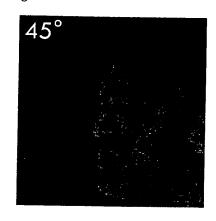
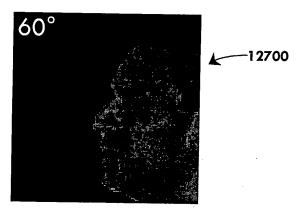


Figure 1



128

Figure

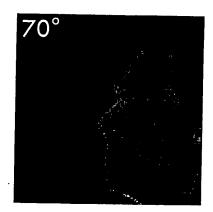


Figure (29

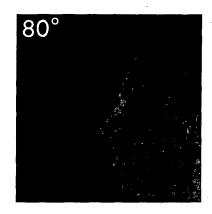


Figure 130

90°

(ろ

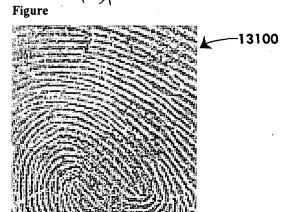


Figure in 132



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Figure 3



134

Figure

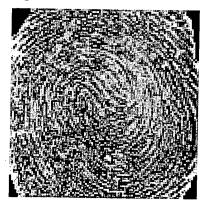


Figure 3% 135

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Figure



137



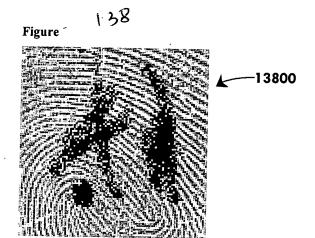


Figure 13900

Figure 14(

Figure

143

Figure

Figure 145

Stephen

146

Figure

Stephen - 14600

Figure

14 4

148

Figure

Stephen

Figure 149

Stephen

Figure (50

(51 Figure

Flowchart for software embodiment: Overall Control

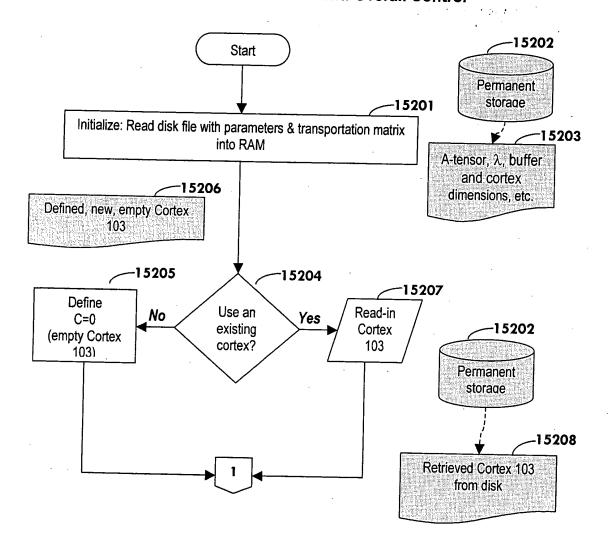
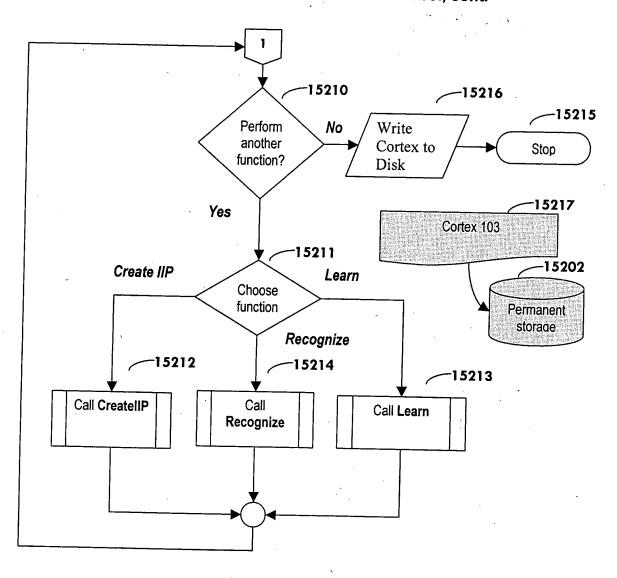
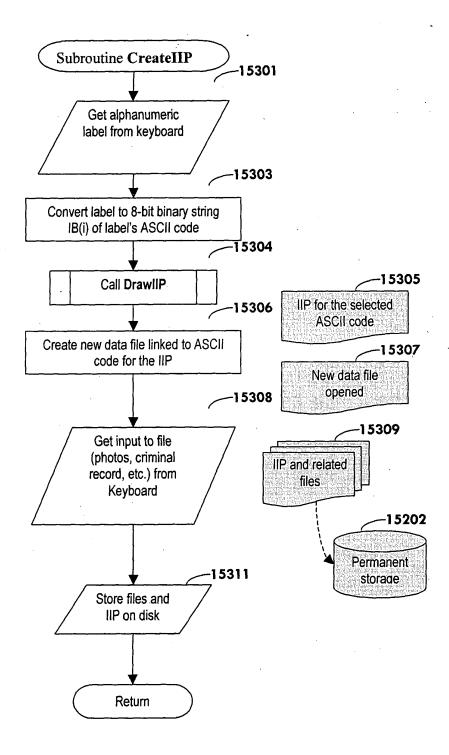


Fig. 152b

Flowchart for software embodiment: Overall Control, cont.



Flowchart for software embodiment: Create IIP



Flowchart for softwar mbodiment: Learn

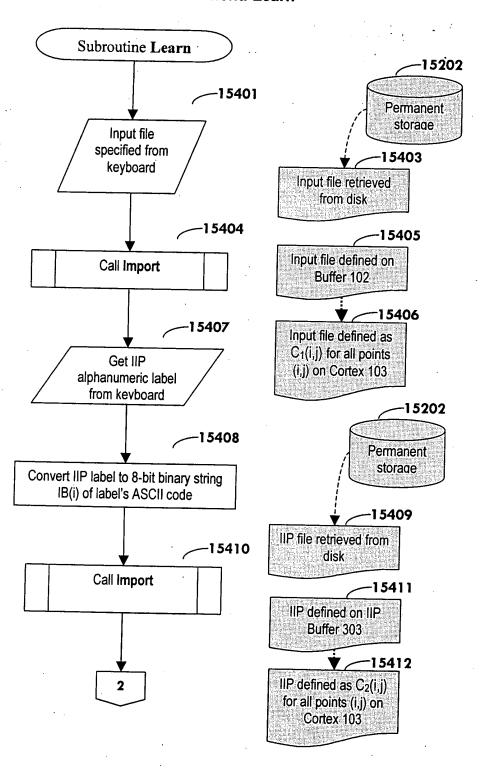
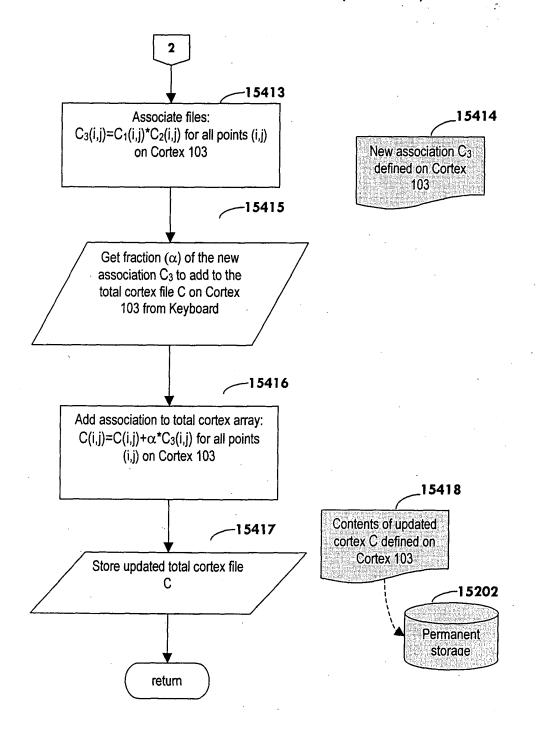
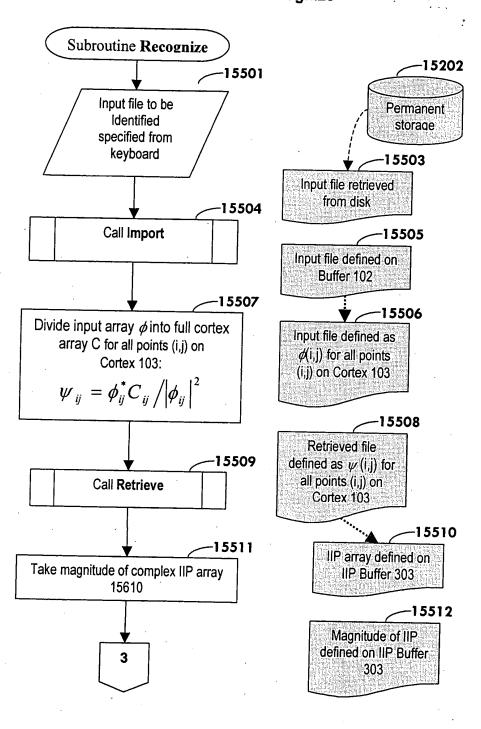


Figure 154b

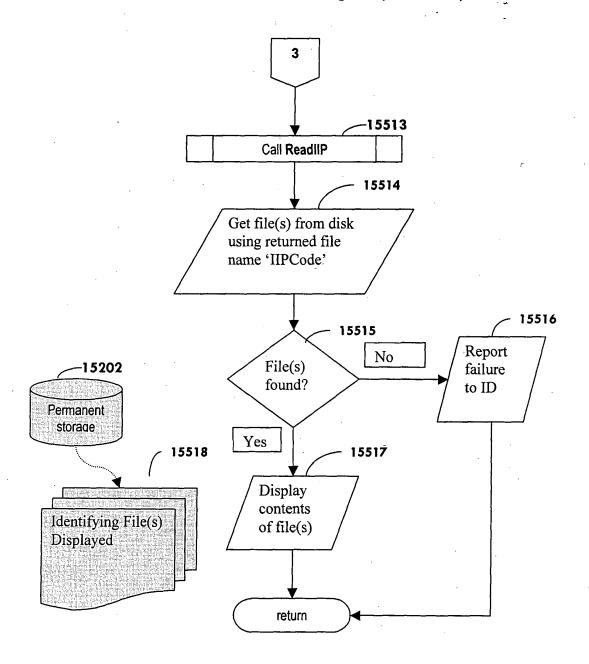
Flowchart for software embodiment: Learn (continued)



Flowchart for software embodiment: Recognize



Flowchart for software embodiment: Recognize (continued)



Flowchart for software embodiment: Draw IIP

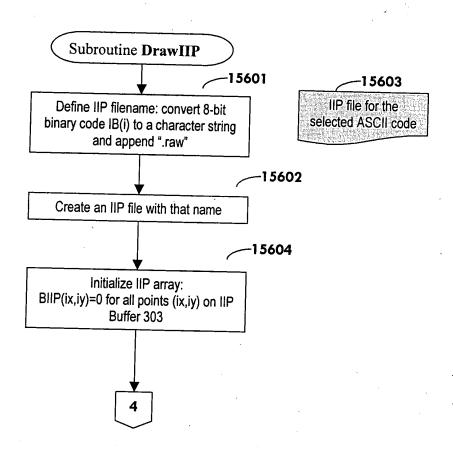
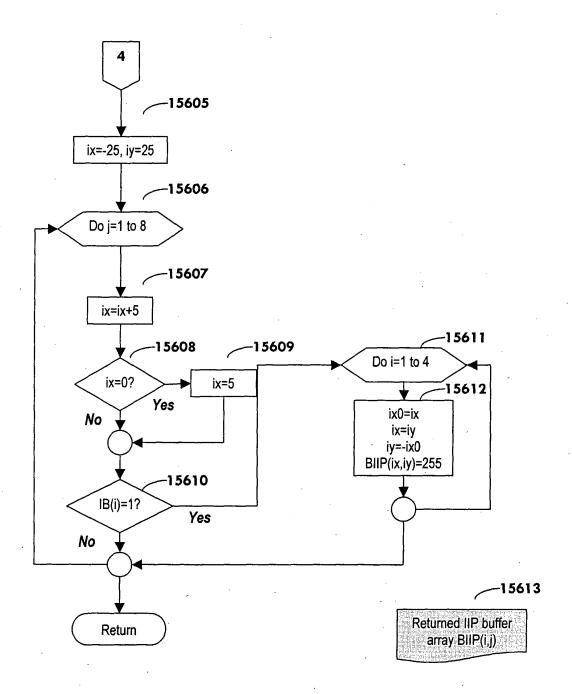
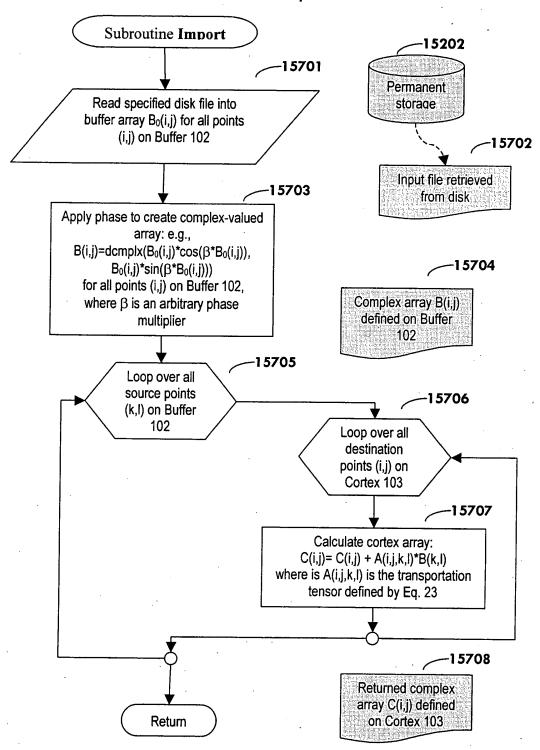


Figure 156b

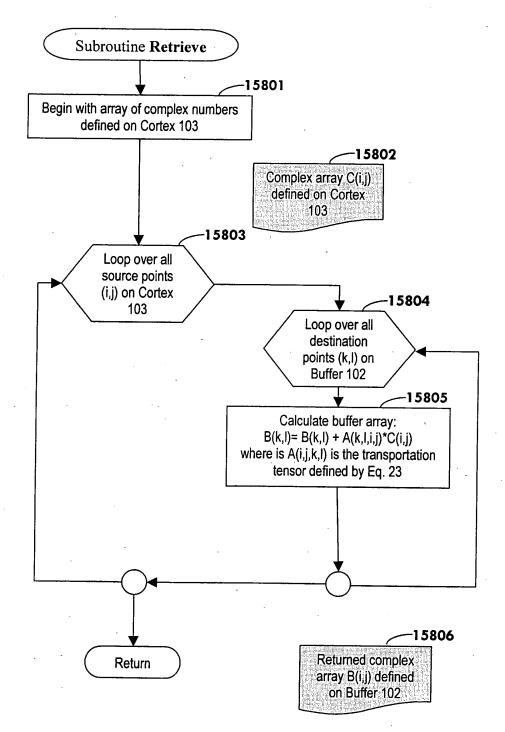
Flowchart for software embodiment: Draw IIP continued



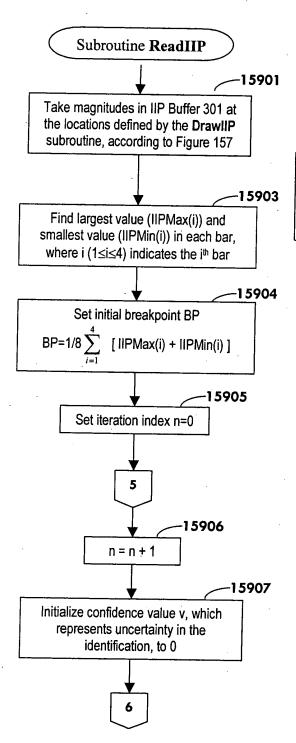
Flowchart for software embodiment: Import



Flowchart for software embodiment: Retrieve



Flowchart for software mbodiment: Read IIP



Raw IIP values IIPRaw(i,j), where i (1≤i≤4) indicates the ith bar and j (1≤j≤8) indicates the ith bit

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Flowchart for software embodiment: Read IIP (continued)

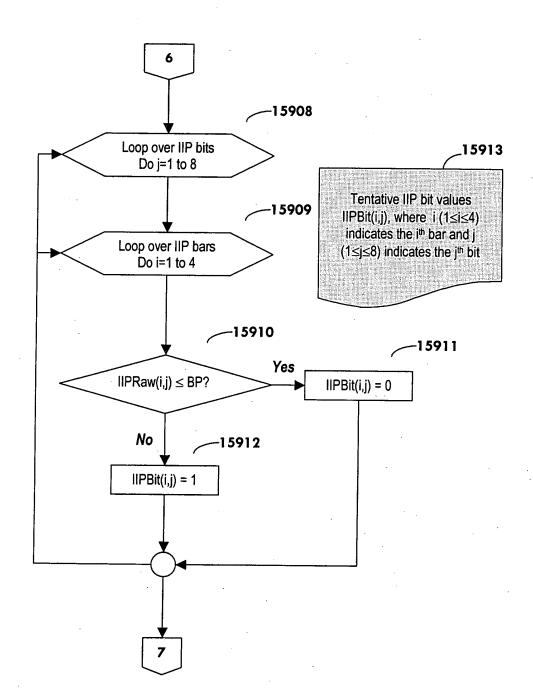


Figure 159c
Flowchart for software embodiment: Read IIP (continued)

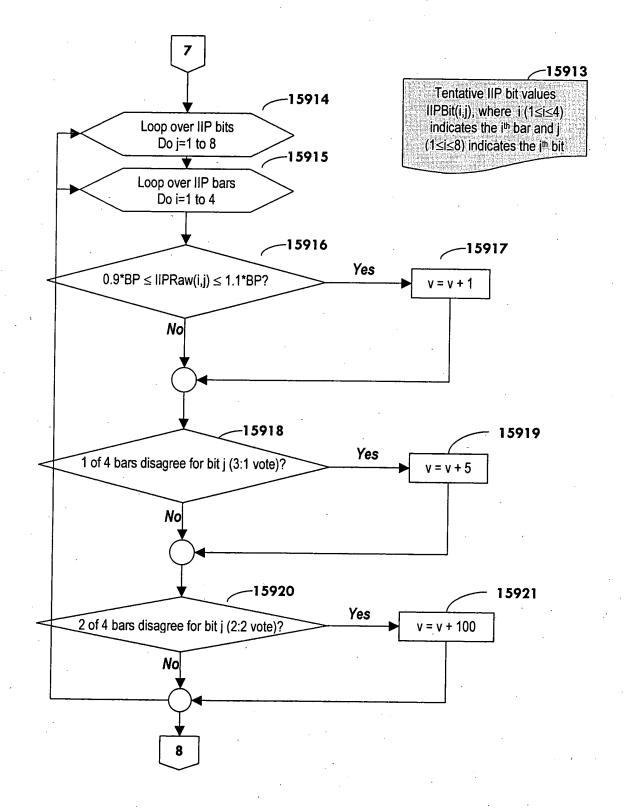


Figure 159d

Flowchart for software embodiment: Read IIP (continued)

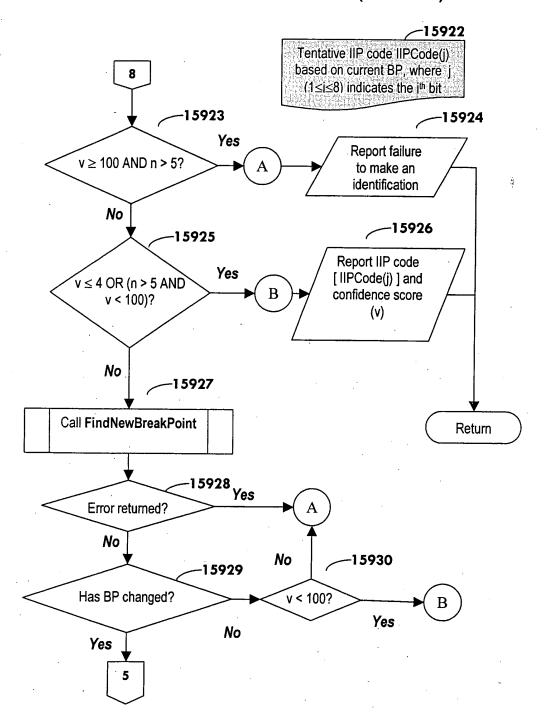


Figure 160

Flowchart for software embodiment: Find New BreakPoint

